ASSIGNMENT 3

Assignment Date	9 october 2022
Student Name	Sowmya.P
Student Roll Number	311419106029
Maximum Marks	2 Marks

QUESTION:

Write a python code for blinking LED and traffic lights for Raspberry pi.

Aim:

To write a python code to blink a led and traffic lights for raspberry pi.

Code:

```
import RPi.GPIO as GPIO import

time

LED_PIN = 17

GPIO.setmode(GPIO.BCM)

GPIO.setup(LED_PIN, GPIO.OUT) while

True:

    GPIO.output(LED_PIN, GPIO.HIGH)

time.sleep(1)

    GPIO.output(LED_PIN, GPIO.LOW)

time.sleep(1)

GPIO.cleanup()
```

Code:

```
from gpizero import Button,  TrafficLights ,  Buzzer

from  time import sleep button=button(21)

lights=Trafficlights(25,8,7) buzzer=Buzzer(15)

while True:

    button  wait_for_press()

lights.green.on()      sleep(1)

lights.amber.on()

sleep(1)      lights.red.on()

sleep(1)
```

Result :

Thus the code to blink led and traffic lights verified and executed successfully.